|                       | Learning  | to Fly: The Wright B     | rother's Adventure                             |
|-----------------------|-----------|--------------------------|--|
|                       |           | 2005 Scienc              |  |
|                       |           | Content Standa           |  |
| South Dakota Scier    | nce       |                          |  |
| Grade 6               |           |                          |  |
| Activity/Lesson       | State     | Standards                |  |
| - 10.1.1.j/ = 00001.  |           | 33011313131              | Use research methods to investigate            |
|                       |           | SCI.6.6.N.2.1.a          | practical and/or personal scientific problems  |
| The Society           | SD        | .5                       | and questions.                                 |
| The Coolety           |           |                          | Students are able to explain the importance    |
| 1904: Improvement     |           |                          | and scientific use of a classification system: |
| in Dayton             | SD        | SCI661 12h               | Uniform scientific communication               |
| iii Daytoii           | 100       | 301.0.0.L.1.2.b          | Official Scientific Communication              |
|                       | Learning  | to Fly: The Wright B     | rother's Adventure                             |
|                       | Louining  | 2005 Scienc              |  |
|                       |           | Content Standa           |  |
| South Dakota Scier    | nce       |                          |  |
| Grade 7               |           |                          |  |
| Activity/Lesson       | State     | Standards                |  |
| Activity/Ec33011      | Otato     | Otandards                | Use research methods to investigate            |
|                       |           |                          | practical and/or personal scientific problems  |
| The Society           | SD        | SCI.7.7.N.2.1.f          | 1.   |
| The Society           | 30        | 501.7.7.14.2.1.1         | Students are able to conduct scientific        |
|                       |           |                          | investigations using given procedures:         |
| New Data              | SD        | SCI 7 7 N 2 1 d          | Identify sources of experimental error.        |
| New Data              | 30        | 301.7.7.IV.Z.1.u         | identity sources of experimental error.        |
|                       | l earning | to Fly: The Wright B     | rother's Adventure                             |
|                       | Learning  | 2005 Scienc              |  |
|                       |           | Content Standa           |  |
| South Dakota Scier    | 100       | Content Stands           |  |
| Grade 8               |           |                          |  |
| Activity/Lesson       | State     | Standards                |  |
| Activity/Lesson       | State     | Statiuarus               | Use research methods to investigate            |
|                       |           |                          | practical and/or personal scientific problems  |
| The Society           | SD        | SCI.8.8.N.2.1.e          |  |
| The Society           | 30        | 3C1.0.0.IN.Z. 1.E        | Control variables to test hypotheses by        |
| 1901: The First       |           |                          | ,        |
|                       | CD.       | CCL 0 0 N 2 1 o          | repeated trials and by identifying sources of  |
| Improvement           | SD        | SCI.6.6.IV.2.1.C         | experimental error.                            |
|                       |           |                          | Select appropriate scientific equipment and    |
| Nie Bete              | 0.0       | 001001046                | technologies for investigations and            |
| New Data              | SD        | SCI.8.8.N.2.1.f          | experiments.                                   |
|                       | 1         | 4e Flore The Westerlet D | mathaula Adivantium                            |
|                       | Learning  | to Fly: The Wright B     |  |
|                       |           | 2005 Scienc              |  |
| Courth Delicate Octor |           | Content Standa           | arus   |
| South Dakota Scier    | ice       |                          |  |
| Grades 9-12           | Ctoto     | Cton donde               |  |
| Activity/Lesson       | State     | Standards                | Identify the guestians and somewhat a 111      |
| The Costate           | CD        | SCI.9-12.9-              | Identify the questions and concepts to guide   |
| The Society           | SD        | 12.N.2.1.a               | the development of hypotheses.                 |

|                   |    |             | Students are able to evaluate and describe  |
|-------------------|----|-------------|---|
|                   |    |             | the impact of scientific discoveries on     |
|                   |    | SCI.9-12.9- | historical events and social, economic, and |
| The Society       | SD | 12.S.1.2    | ethical issues.                             |
| Wright Brothers:  |    | SCI.9-12.9- | Students are able to analyze factors that   |
| 1900 Glider       | SD | 12.S.2.2    | could limit technological design.           |
| Wright Brothers:  | OB | SCI.9-12.9- | Students are able to analyze factors that   |
| 1901 Glider       | SD | 12.S.2.2    | could limit technological design.           |
| Wright Brothers:  | OB | SCI.9-12.9- | Students are able to analyze factors that   |
| 1902 Glider       | SD | 12.S.2.2    | could limit technological design.           |
| Wright Brothers:  |    | SCI.9-12.9- | Students are able to analyze factors that   |
| 1903 Flyer        | SD | 12.S.2.2    | could limit technological design.           |
| 100011901         | 00 | 12.0.2.2    | Students are able to evaluate and describe  |
|                   |    |             | the impact of scientific discoveries on     |
|                   |    | SCI.9-12.9- | historical events and social, economic, and |
| Meet the Wrights  | SD | 12.S.1.2    | ethical issues.                             |
| Weet the Wrights  |    | SCI.9-12.9- | Students are able to analyze factors that   |
| 1900: Kitty Hawks | SD | 12.S.2.2    | could limit technological design.           |
| 1901: The First   |    | SCI.9-12.9- | Revise explanations and models based on     |
| Improvement       | SD | 12.N.2.1.d  | evidence and logic.                         |
| Improvement       |    | 12.14.2.1.0 | Students are able to evaluate and describe  |
|                   |    |             | the impact of scientific discoveries on     |
| 1901: The First   |    | SCI.9-12.9- | historical events and social, economic, and |
| Improvement       | SD | 12.S.1.2    | ethical issues.                             |
| 1902: Success at  |    | SCI.9-12.9- | Revise explanations and models based on     |
| Last              | SD | 12.N.2.1.d  | evidence and logic.                         |
| 1902: Success at  | +  | SCI.9-12.9- | Students are able to analyze factors that   |
| Last              | SD | 12.S.2.2    | could limit technological design.           |
| 1903: Powered     |    | SCI.9-12.9- | Select and use appropriate instruments to   |
| Flight            | SD | 12.N.2.1.c  | extend observations and measurements.       |
| 1903: Powered     |    | SCI.9-12.9- | Revise explanations and models based on     |
| Flight            | SD | 12.N.2.1.d  | evidence and logic.                         |
| 1903: Powered     |    | SCI.9-12.9- | Students are able to analyze factors that   |
| Flight            | SD | 12.S.2.2    | could limit technological design.           |
|                   |    |             | Use technology and mathematic skills to     |
| 1904: Improvement |    | SCI.9-12.9- | enhance investigations, communicate         |
| in Dayton         | SD | 12.N.2.1.e  | results, and defend conclusions.            |
|                   |    |             | Students are able to evaluate and describe  |
|                   |    |             | the impact of scientific discoveries on     |
| 1905: Complete a  |    | SCI.9-12.9- | historical events and social, economic, and |
| Flight at Last    | SD | 12.S.1.2    | ethical issues.                             |
| 1905: Complete a  |    | SCI.9-12.9- | Students are able to analyze factors that   |
| Flight at Last    | SD | 12.S.2.2    | could limit technological design.           |